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In the claims

Please amend the claims as follows:

Claims 1-10 (Withdrawn)

- 11. (Currently amended) An isolated polynucleotide encoding a polypeptide according to claim 1 characterized as:
 - (a) modulating intracellular glutamate transport; and
- (b) interacting with a glutamate transporter protein, wherein the isolated polynucleotide hybridizes under conditions of 0.2x SSC, 0.1% SDS, at 42°C with a polynucleotide encoding a polypeptide having an amino acid sequence as set forth in SEQ ID NO:4.

Claim 12 (Withdrawn)

- 13. (Currently amended) An isolated polynucleotide selected from the group consisting of:
- (a) a polynucleotide encoding a polypeptide having an amino acid sequence as set forth in SEQ ID NO:4;
 - (b) a polynucleotide of (a), wherein T can be U;
 - (c) a polynucleotide complementary to (a) or (b);
 - (d) a polynucleotide having a nucleotide sequence as set forth in SEQ ID NO:3;
 - (e) degenerate variants of (a), (b), (c) or (d); and
- (f) (e) a fragment of (a), (b), (c), or (d) or (e) having at least 15 base pairs and hybridizes to a polynucleotide encoding a polypeptide as set forth in SEQ ID NO:4.

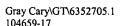
Claims 14-17 (Withdrawn)

- 18. (Original) An expression vector comprising a polynucleotide of claim 11.
- 19. (Original) The expression vector of claim 18, wherein the vector is virus-derived.



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20. (Original) The expression vector of claim 18, wherein the vector is plasmid-derived.

- 21. (Original) A host cell comprising a vector of claim 18.
- (Original) A method for producing a polypeptide comprising the steps of: 22.
- culturing a host cell of claim 21 under conditions suitable for the expression of the polypeptide; and
 - recovering the polypeptide from the host cell culture. (b)

Claims 23-82 (Withdrawn)

83. (Cancel)

Claims 84-88 (Withdrawn)

- 89. (New) The isolated polynucleotide of claim 11, wherein the polynucleotide encodes a polypeptide comprising a PDZ domain, a regulatory G-protein domain, a pleckstrin homology region, and a proline-rich sequence.
- (New) The isolated polynucleotide of claim 11, wherein the isolated polynucleotide 90 hybridizes in 0.2%x SSC, 0.1% SDS, at 42°C with a polynucleotide according to SEQ ID NO:3.
- (New) The isolated polynucleotide of claim 11, wherein the glutamate transporter protein is 91. EAAT4.



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